

**ATP-BINDING TRANSPORTER (ABC7)  
AND METHOD FOR DETECTION OF ANEMIA AND ATAXIA**

**ABSTRACT**

5 Disclosed are a novel ATP-binding cassette gene (ABC7), polypeptide and methods of detecting mutations therein. Further, the disclosure provides methods of detecting ABC7 associated disease and treatments thereof. In particular, the disclosure provides methods of detecting X-linked Sideroblastic Anemia and Ataxia associated with a mutation in the ABC7 polypeptide.